

AMENDMENTS TO THE CLAIMS

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Currently amended) A method for controlling the operation of equipment, said operation of said equipment being adjustable via at least one parameter setting, comprising the steps of:

monitoring said operation of said equipment;

generating an operations analysis of said equipment;

determining whether said equipment is operating efficiently based on said operations analysis; and

adjusting said at least one parameter setting until said equipment is operating efficiently;

maintaining a log of previous settings of said at least one parameter setting;
wherein the step of adjusting said at least one parameter setting includes adjusting said at
least one parameter setting based on said log of previous settings; and

checking said operations analysis and said adjustment of said at least one parameter, and overriding said adjustment and providing corrective parameter settings for said equipment when a control loop mechanism of said equipment is drifting.

12. (Original) The method of claim 11, wherein the step of monitoring said operation of said equipment includes the step of:

monitoring said operation of said equipment continuously.

13. (Original) The method of claim 11, further comprising the step of:

remotely receiving said operations analysis.

14. (Original) The method of claim 11, wherein the step of determining whether said equipment is operating efficiently includes the step of:

determining whether said equipment is operating efficiently based on predetermined operation specifications for said equipment.

15. (Original) The method of claim 11, wherein the step of adjusting said at least one parameter setting includes the steps of:

adjusting said at least one parameter setting based on a predetermined set of operational parameters for said equipment.

16. (Canceled)

17. (Original) The method of claim 11, wherein the step of adjusting said at least one parameter setting includes the step of:

remotely adjusting said at least one parameter setting.

18. (Previously Presented) The method of claim 11, wherein when said equipment is electroplating equipment generating a plating rate, the step of generating an operations analysis of said equipment includes:

generating said operations analysis of said plating rate; and

selecting said at least one parameter from the group of replenishment flow rate and agitation rate.